

CLAIMS:

1. A method of performing SPS acquisition interleaved with receiving paging information over a wireless slotted paging channel and receiving data packets over a wireless data communication system, comprising:
  - tuning to a pilot channel;
  - synchronizing an internal clock of a wireless remote unit with a pilot signal transmitted over the pilot channel; and
  - after completing synchronizing the internal clock, starting a search for SPS satellites.
2. The method of claim 1, wherein turning a pilot channel during a scheduled paging slot.
3. The method of claim 1, wherein turning a pilot channel when the remote unit becomes aware of the need to search for SPS satellites.
4. The method of claim 2 further comprising:
  - determining that a search will be completed prior to the beginning a paging slot;
  - wherein starting a search for SPS satellites if the search will be completed prior to the beginning a next paging slot.
5. The method of claim 4, wherein determining that a search will be completed prior to the beginning a paging slot comprises:
  - determining the amount time required for the last attempt at search and acquisition.
6. The method of claim 4, wherein determining that a search will be completed prior to the beginning a paging slot comprises:
  - determining the amount time required for two or more recent attempts at search and acquisition.

7. A wireless remote unit for performing SPS acquisition interleaved with receiving paging information over a wireless slotted paging channel and receiving data packets over a wireless data communication system, comprising:

means for tuning to a pilot channel;

means for synchronizing an internal clock of a wireless remote

unit with a pilot signal transmitted over the pilot channel; and

means for starting a search for SPS satellites after completing synchronizing the internal clock.